

Date: Fri, 3 Dec 93 13:03:44 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1420
To: Info-Hams

Info-Hams Digest Fri, 3 Dec 93 Volume 93 : Issue 1420

Today's Topics:

ARRL's callsign admin position
 Calculating SWR
 commercial exams
HYPOCRISY WARNING (was Re: Pyramid Schemes)
 Instant Licenses
 Pyramid Schemes (2 msgs)
 Soundblaster Software
SUMMARY: PACTOR-2 recent information
 Web page for Amateur Radio
Where do I find gorilla hooks? (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Nov 93 07:27:54 GMT
From: ucsnews!sol.ctr.columbia.edu!spool.mu.edu!olivea!isc-br!tau-ceti!comtch!
opus-ovh!bmork@network.ucsd.edu
Subject: ARRL's callsign admin position
To: info-hams@ucsd.edu

David Sumner
c/o ARRL QST

I want "my" ARRL to support the interest of Amateur Radio
Operators around the nation rather than taking excursions
into presumptuous areas of browbeating. Back off on the
callsign administrator issue.

On page 9 of the October QST (speaking on the tussle over automated HF operation), you say "the danger comes when we begin to believe that what we want to do is more important than what someone else is doing." How about applying this to yourself?

On July 26, 1993 the FCC invited applications for administration of a callsign program from all qualified organizations. On pages 82 of October QST, you're quoted, saying application by others "jeopardizes the program." What an adolescent claim -- that's what the FCC asked for! The ARRL appears as a pompous buffoon yelling "It's mine, all mine."

Everyone except the ARRL is relegated to "other fields" of Amateur Radio, as if to say they're inferior to ARRL. ARRL's what? General interest? In this case, ARRL's interest is dangerously close to being only ARRL itself. In the next issue of QST, two organizations are chastised for defending themselves. Oh, please!

Why put all the eggs in one basket? You claim that diversification is bad, but you never sell why it's so terrible.

You looked to HF users and said "come on over, see with the eyes of the other side, get along." I look at the callsign issue and say to the ARRL: come on, see with the others' eyes, get along.

Sincerely,

Brian J. Mork, KA9SNF
Internet: bmork@opus-ovh.spk.wa.us

Brian Mork Internet bmork@opus-ovh.spk.wa.us
 . . . Amateur Radio (AX.25) ka9snf@wb7nnf.#spokn.wa.usa
 USMail 6006-B Eaker, Fairchild, WA 99011

Date: Wed, 1 Dec 1993 20:52:45 GMT
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!uunet.ca!lhaven.UUmh.Ab.Ca!
combdyn!lawrence@network.ucsd.edu
Subject: Calculating SWR
To: info-hams@ucsd.edu

In article <CHB4vt.AF4@freenet.carleton.ca> ae517@Freenet.carleton.ca (Russ Renaud) writes:

>

>In a previous article, kchen@apple.com (Kok Chen) says:

>

>>>>

>>>>I am not trying to be mean, but did you sit a radio theory test for your
>>>>amateur license ?

>>

>>>Yes, he did. SWR formulae are not on amateur tests in America.

>>

>>

>>America as in the U. S. of A. or does that include Canada? The
>>original poser of the question posted from Canada, I believe.

>>

>>We all know how easy the written tests are in the U.S., but don't
>>the folks up in the great white north have to take real tests?

>>

>It *USED* to be a real test, essay type questions, but I think it's all
>multiple-guess now. I've even heard we may be incorporating some of the
>U.S. question pool into our exam(s)

>

>73 de ve3uav/aa8lu

>--

Yeah, everybody tells me it used to be a real test.....some people even tell
me that getting a licence/callsign was for life....now we have pay money in
every year.

Our system is starting to copycat the US...they are even taking our 220 band
away from us to make peace with the FCC.

--

```
--EMAIL-----PHONE-----FAX-----
| WORK: lawrence@combdyn.com      | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC
```

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

Date: Tue, 30 Nov 93 17:56:53 GMT

From: psinntp!laidbak!tellab5!balr!tttd.teradyne.com!news@uunet.uu.net

Subject: commercial exams

To: info-hams@ucsd.edu

In article <CH68Dz.DE1@news.Hawaii.Edu>, jherman@uhunix3.uhcc.Hawaii.Edu (Jeff Herman) writes:

> In article <1993Nov27.213508.19321@mnemosyne.cs.du.edu> rhalprin@nyx.cs.du.edu

(ROBERT HALPRIN) writes:

>>

>>De K1XA

>>As you know, the FCC recently privatized commercial radio
>>exams along the lines of the ham VEC program.

>

> Has the government turned other federal license exams over to the
> private sector? Or is the FCC the only agency that has done this.
> FAA - pilot's license?

Private pilot and Commercial pilot flight tests are often conducted by
FAA 'designated' examiners, who are not FAA (or government) employees.

> DOT/USCG - maritime licenses?

> et cetera

>

> Jeff NH6IL

Date: Thu, 2 Dec 1993 07:56:05 GMT

From: news.Hawaii.Edu!uhunix3.uhcc.Hawaii.Edu!jherman@ames.arp

Subject: HYPOCRISY WARNING (was Re: Pyramid Schemes)

To: info-hams@ucsd.edu

In article <2djadfINNofl@abyss.West.Sun.COM> myers@cypress.West.Sun.COM writes:

>In article Lxz@news.Hawaii.Edu, jherman@uhunix3.uhcc.Hawaii.Edu (Jeff Herman)
writes:

>>In article <CHCou4.MJ0@freenet.carleton.ca> aj467@Freenet.carleton.ca (Bill
Macpherson) writes:

>>>

>>>When you see this crap on the net, everyone of you should reply E-mail to
>>>the originators account, with the entire message intact. Maybe his local
>>>node will boot him off the air. Maybe they'll catch wind and turn him in.
>>>What do you think.

>>>

>>>--

>>>Bill VE3NJW Advanced Amateur

>>>Packet Address : VE3NJW@VE3KYT.#EON.ON.CAN

>>>Freenet Address: aj467@Freenet.Carleton.ca

>>

>>Not to worry, for Julf at anon said he would pull the guy's plug
>>if those posts continue.

>>

>>Jeff NH6IL

>

>Goodness, you mean Jeff "CENSORSHIP WARNING" Herman actually supports
>the censorship of someone's Usenet access based on the content of the messages

>they send?

>

>:-)

>

>---

> * Dana H. Myers KK6JQ, DoD 466 | Views expressed here are *

Just passing on what I heard, Mr. Dana "JUMP ON JEFF ANY CHANCE I GET BUT JEFF DOESN'T CARE SQUAT; IN FACT JEFF IS AMUSED" Myers. Let's see if Derrik "with the funny middle names" Wills can come up with a longer middle name than that. (Nice try, Dana :=}

Jeff NH6IL

Date: 3 Dec 93 17:54:12 GMT

From: ogicse!uwm.edu!spool.mu.edu!darwin.sura.net!udel!gvls1!

rossi@network.ucsd.edu

Subject: Instant Licenses

To: info-hams@ucsd.edu

In article <199312021421.GAA02410@ucsd.edu> biekert@vnet.IBM.COM (Bob Biekert KA5GLX ((713) 282-8334)) writes:

>Here are my thoughts on the 'instant' license proposal.

> .. stuff deleted..

>* What is a ham? Aha, maybe we have all lost sight of this. You are

> a ham when you PASS the VE exams. You hold a valid CSCE saying

> you have 'earned' your license. Therefore, why should you not

> be able to get on the air? When you turned 16 and passed your

> driver's license test, did you have to wait to drive until your

> 'real' license was issued from your state? You can kill someone

> with a car... what's the worst you can do with a radio?

The state may have given me my drivers license when I turned 16 but my *PARENTS* didn't let me take the *CAR* by myself for several weeks after..

Parents outrule the state :-)

I have nothing against a short wait between passing the test and getting the license -- 1-2 weeks is OK but 6-8-10 weeks is bit ridiculous.

=====
Pete Rossi - WA3NNA rossi@vfl.paramax.COM

Unisys Corporation - Government Systems Group
Valley Forge Engineering Center - Paoli, Pennsylvania

=====

Date: 3 Dec 93 20:45:03 GMT
From: news-mail-gateway@ucsd.edu
Subject: Pyramid Schemes
To: info-hams@ucsd.edu

>When you see this crap on the net, everyone of you should reply E-mail to
>the originators account, with the entire message intact. Maybe his local
>node will boot him off the air. Maybe they'll catch wind and turn him in.
>What do you think.

>--
>Bill VE3NJW Advanced Amateur
>Packet Address : VE3NJW@VE3KYT.#EON.ON.CAN
>Freenet Address: aj467@Freenet.Carleton.ca

I can see that the action of receiving the entire note back from each of the original recipients would create a real PYRAMID. That in itself is a pyramid scheme and the return volume should raise considerable attention by anyone having to pay for the activity.

Hugh, W6WTU

Date: 3 Dec 93 20:29:53 GMT
From: news-mail-gateway@ucsd.edu
Subject: Pyramid Schemes
To: info-hams@ucsd.edu

>When you see this crap on the net, everyone of you should reply E-mail to
>the originators account, with the entire message intact. Maybe his local
>node will boot him off the air. Maybe they'll catch wind and turn him in.
>What do you think.

it can be too much. for one bozo you might have a lot of other people you'll hurt for whatever reason that may not know about the other transgression. for that matter the "source" of such a post might not even know it was sent under his name (someone else used a computer during a potty emergency or something).

i would think that just contacting the folks in charge of the place where the chain letter came from would be enough for a first offense.

at least we're not suffering under a ton of messages about "<quote whole letter> -- didja see THIS? Don't Look Ethyl!" sorts of followups.

bill n.

Date: Thu, 2 Dec 1993 08:07:46 GMT
From: brunix!doorknob!sds@uunet.uu.net
Subject: Soundblaster Software
To: info-hams@ucsd.edu

Hmm... a friend and I were trying to spec out how one would do this on the AV Mac DSP. Theoretically, it should be possible on any directly-programmable DSP (or at least one you can send custom filters to and receiver "pure" output at a sufficient rate).

On a similar note, has anyone taken the Baycom/PacketMac idea to its logical conclusion, and done the *whole thing* inside the mac? My friend and I were also spending some time specing out how would would do this on a mac via either the sound i/o or one of the serial ports. Anyone brew this one up yet?

Scott Swanson - scott_swanson@brown.edu - n9sat

Date: 1 Dec 1993 18:01:44 GMT
From: olivea!korie!newscast.West.Sun.COM!cronkite.Central.Sun.COM!
coelostat.Sun.COM!kopper@uunet.uu.net
Subject: SUMMARY: PACTOR-2 recent information
To: info-hams@ucsd.edu

Anyone out there running PACTOR on HF ? Here is some VERY interesting info. Please comment.

Date: 3 Dec 93 14:39:20 GMT
From: brunix!doorknob!sds@uunet.uu.net
Subject: Web page for Amateur Radio
To: info-hams@ucsd.edu

Has anyone produced or is anyone aware of a W3 (Web) page for Amateur Radio? If not, I wouldn't mind making it (and of course input would be most welcome!), but I don't want to duplicate effort if there's a perfectly good one sitting out there somewhere, especially if it has all sorts of nifty links (ARRL Info Server, Callbook, etc.)

Please let me know by news or email!

Thanks,

Scott Swanson - scott_swanson@brown.edu - n9sat
home page at //downstairs.rh.imsa.edu/~scott/ but soon to move

Date: 3 Dec 93 14:33:16 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
Subject: Where do I find gorilla hooks?
To: info-hams@ucsd.edu

In article <1993Dec2.230104.19591@sequent.com> dale@sequent.com (Dale Mosby) writes:

>So I would like to find some place to buy just these hooks and
>I will attach the ropes. I have checked with two safety supply
>stores in town including the place that carried the harness.
>No luck so far, so does anyone know where to get these?

The "gorilla" hooks are sold by Klein. Unless you really know ropes, pay the money and get the Klein ropes and hooks already assembled. Bending the rope to the hook is a non-trivial exercise that if done wrong can get you killed.

Gary

--

Gary Coffman KE4ZV	Where my job's going,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	I don't know. It might	uunet!rsiatl!ke4zv!gary
534 Shannon Way	wind up in Mexico.	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-NAFTA Blues	

Date: 3 Dec 1993 01:19:23 GMT
From: munnari.oz.au!yarrina.connect.com.au!harbinger.cc.monash.edu.au!msuinfo!nightshade!cravitma@network.ucsd.edu
Subject: Where do I find gorilla hooks?
To: info-hams@ucsd.edu

In article <1993Dec2.230104.19591@sequent.com> dale@sequent.com (Dale Mosby) writes:

>
>So I would like to find some place to buy just these hooks and
>I will attach the ropes. I have checked with two safety supply
>stores in town including the place that carried the harness.
>No luck so far, so does anyone know where to get these?

I don't know where to get what you are talking about, but I have a better suggestion. Go to a store which sells rock-climbing equipment, and buy 2 "locking carabiners". These are d-shaped aluminum clips which can be attached to a rope and clipped either to the tower, or you can loop the rope around the tower and clip the carabiner back onto the rope. They also have a ring which can be screwed over the opening to lock them when you are at the top of the tower so they do not accidentally unsnap. Last time I bought these, they were around \$15-20 each, and the ones I have indicate that their rated strength before failing is in excess of 7,000 pounds. You may also want to buy some "slings" which are pieces of 1 inch nylon webbing sewn into loops. If you buy 2 of these of a suitable length and a third carabiner to attach them to your harness, you can make quite strong climbing "gorillas" (The slings also are rated at over 7,000 pounds before failing). If you want more specific information, feel free to drop me a note by e-mail.

/Matthew

--

Matthew Cravit	"So I sent him to ask of the
Michigan State University	owl, if he's there, how to
East Lansing, MI 48825	loosen a jar from the nose
E-Mail: cravitma@cps.msu.edu	of a bear..."

Date: Wed, 1 Dec 1993 07:29:20 -0500
From: usc!sol.ctr.columbia.edu!hamblin.math.byu.edu!yvax.byu.edu!cunyvml!rohvm1!
rohvm1.mah48d@uunet.uu.net
To: info-hams@ucsd.edu

References <9311291536.AA28993@ocpfcd>, <CH9Jnp.F9v@freenet.carleton.ca>,
<1993Nov30.153613.461@ke4zv.atl.ga.us>du
Subject : Re: expensive?

In article <1993Nov30.153613.461@ke4zv.atl.ga.us>, gary@ke4zv.atl.ga.us
(Gary Coffman) wrote, in part:

>
> Indeed, an even cheaper approach is to use a dumb terminal or ASR33
> to work with the *Terminal* Node Controller since you don't have to
> tie up a TV set too, if all you need is to print little characters
> on a screen or paper.

This can be VERY cheap--I picked up, at a local ham club auction, a working dumb terminal for \$5.00. It works fine with a TNC, and gives newcomers to packet, RTTY and the like a quick intro. I don't mind hauling it to a club

meeting for a demo, or lending it to somebody who wants to try packet and see if he likes it before springing for a computer and TNC. I sure wouldn't do that with my regular equipment.

73 de John, W3ZID

Date: Wed, 1 Dec 1993 20:58:48 GMT
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!uunet.ca!lhaven.UUmh.Ab.Ca!combdyn!lawrence@network.ucsd.edu
To: info-hams@ucsd.edu

References <754583670.19snx@mu.apana.org.au>,
<Nov29.194927.39093@yuma.acns.colostate.edu>, <4926@eram.esi.com.au>1
Subject : Re: Calculating SWR

In article <4926@eram.esi.com.au> dave@eram.esi.com.au (Dave Horsfall) writes:
>In article <Nov29.194927.39093@yuma.acns.colostate.edu>,
> galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
>
>| >I am not trying to be mean, but did you sit a radio theory test for your
>| >amateur license ?
>|
>| Yes, he did. SWR formulae are not on amateur tests in America.
>
>Notwithstanding the fact that I distinctly remember seeing that formula
>on my own exam (in Australia) and no doubt getting it wrong, don't they
>teach you to look up a reference book over there?
>
I doesn't show up in the study guide or on our tests up here. And, the current thought around here is that networks and newsgroups are lumped in as reference material (resources).

Especially with the project by our government to link all the schools in Canada to Internet....which includes the idea of providing a vast resource of information by people all over the world of Internet.

Also important if curriculum has to stay uptodate using a text book that won't

--
--EMAIL-----PHONE-----FAX-----
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

Date: (null)

From: (null)

Peter, DL6MAA, sent the following from Germany. Work is well underway on PACTOR-2. Here are basic facts on the new protocol:

- o Timing and frames similar to PACTOR-1 (effectively half-duplex ARQ)
- o Based on standalone DSP-PTC using the 68070 and DSP 56156 (40Mhz) chips.
- o 2-tone-DQPSK at 75/150 Baud (perhaps 8-PSK at 100 Baud rather than 4-PSK at 150 Baud)
- o Bandwidth: less than 500Hz at -30 db
- o Well suited to fluctuating multipath channels
- o MaximumSpeed: 600 bits/sec (4X PACTOR-1, and 15X AMTOR)
- o Improved adaptivity and Memory ARQ
- o Superior weak signal performance (5-8 db better than PACTOR-1)
- o Independent of employed sideband (same as PACTOR-1)
- o Automatic frequency correction (plus/minus 70Hz)
- o Downward compatible to PACTOR-1 systems
- o Compresnsive listen mode (both PACTOR-1 and PACTOR-2)
- o System is not 'over sophisticated' (can be implemented on any DSP controller with enough processing speed)
- o A standalone PACTOR-2 controller should be out by the end of 1993.
- o AFSK will be required for PACTOR-2. This will have an implication for those using 500 Hz filters. (apparently some rigs can't select a narrow filter when in SSB mode)

Comments/suggestions on how to reach DL6MAA ?

Tnx, de N9VV - ken.hopper@Central.Sun.COM

Date: 3 Dec 93 14:29:25 GMT
From: ogicse!emory!kd4nc!ke4zv!gary@network.ucsd.edu
To: info-hams@ucsd.edu

References <2di6g3\$ja@wrdis02.robins.af.mil>,
<Dec01.181802.19527@yuma.ACNS.ColoState.EDU>, <CHEu3B.8D4@world.std.com>
Reply-To : gary@ke4zv.atl.ga.us (Gary Coffman)
Subject : Re: Life is too short for 2 KW!!!!

In article <CHEu3B.8D4@world.std.com> slm@world.std.com (slm) writes:
>galen@picea.CFNR.ColoState.EDU (Galen Watts) writes:
>>Life is too short to not know how to run your own gear.
>>Why do AM broadcasters run 50kW and not splatter?
>
>I wouldn't necessarily hold up AM broadcasters as an example for us all!
>There's a commercial AM station more than 3 miles away ... I hear them all
>the time in my telephone (clear enough to pick out news, traffic reports, etc.)

Clue: RF rectification isn't the broadcaster's problem. It's the cheesy
unfiltered phone's problem. That's also often true of other cases that
are blamed on "splatter" or other transmitter malfunctions. The problem
is often really in the receiver of the one complaining. It's really really
rare for a broadcast station's transmitter to be dirty. It's even fairly
rare for a ham transmitter to be dirty. Unfortunately it's not so rare for
a solid state ham receiver to be dirty, especially if used in the presence
of high signal levels with the RF gain turned up.

Gary

--

Gary Coffman KE4ZV	Where my job's going,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	I don't know. It might	uunet!rsiatl!ke4zv!gary
534 Shannon Way	wind up in Mexico.	emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244	-NAFTA Blues	

Date: 3 Dec 93 16:46:18 GMT
From: world!slm@uunet.uu.net
To: info-hams@ucsd.edu

References <Dec01.181802.19527@yuma.ACNS.ColoState.EDU>,
<CHEu3B.8D4@world.std.com>, <keith.14.000A16FE@radio.nl.nuwc.navy.mil>
Subject : Re: Life is too short for 2 KW!!!!

In article <keith.14.000A16FE@radio.nl.nuwc.navy.mil> keith@radio.nl.nuwc.navy.mil
writes:

[re: my statement complaining about commercial AM signals in my phone]

>As a ham, and particularly as a ham who occasionally has been known to
>fire up the 4-1000A/833A rig and run 1000 watts of AM on the ham bands
>(at least before the power law changed), I am appalled that another ham
>would make this misinformed statement.

You're right, of course. I have other problems with that station,
which don't really bear discussion on the ham group, and just wrote
in anger after having heard their traffic report in my phone
having woken up on very little sleep to make an extremely important
overseas call. The moral of the story is not to get on Internet
without having slept at least 5 hours the night before.

Having explained RFI to my neighbors, and helped work to solve the
problems, I SHOULD know better. And I do.

Mea culpa.

Sharon KC1YR

--
electronic address: slm@world.std.com

End of Info-Hams Digest V93 #1420

